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APPLICATION NO.	1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,718	10/068,718 02/06/2002		David K. Mesecher	I-2-108.3US	9798
24374	7590	03/29/2005		EXAMINER	
VOLPE AN	ND KOE	NIG, P.C.	GHEBRETINSAE, TEMESGHEN		
	DEPT. ICC UNITED PLAZA, SUITE 1600				PAPER NUMBER
30 SOUTH			2637	,	
PHILADEL	rnia, P	A 19103		DATE MAILED: 03/29/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/068,718	MESECHER, DAVID K.				
Office Action Summary	Examiner	Art Unit				
	Temesghen Ghebretinsae	2637				
The MAILING DATE of this communication a	appears on the cover sheet with the	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REI THE MAILING DATE OF THIS COMMUNICATIOI - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory peri - Failure to reply within the set or extended period for reply will, by sta Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply be till reply within the statutory minimum of thirty (30) day iod will apply and will expire SIX (6) MONTHS from tute, cause the application to become ABANDONE	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).				
Status	•					
1) Responsive to communication(s) filed on 14	February 2005.					
	his action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 1-7,17 and 18 is/are pending in the 4a) Of the above claim(s) is/are withd 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-7 is/are rejected. 7) ⊠ Claim(s) 17 and 18 is/are objected to. 8) □ Claim(s) are subject to restriction and	Irawn from consideration.					
Application Papers						
9) The specification is objected to by the Exam	iner.					
10) The drawing(s) filed on is/are: a) a	ccepted or b) objected to by the	Examiner.				
Applicant may not request that any objection to t	he drawing(s) be held in abeyance. Se	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the corr		• • • • • • • • • • • • • • • • • • • •				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a limit of the priority document of t	ents have been received. ents have been received in Applicat riority documents have been receive eau (PCT Rule 17.2(a)).	ion No ed in this National Stage				
Attachment(s)						
1) X Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)				
2) D Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D	ate				
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date <u>11/30/04</u>. 	08) 5) Notice of Informat F 6) Other:	Patent Application (PTO-152)				

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DETAILED ACTION

1. It would be of great assistance to the Office if all incoming papers pertaining to a filed application carried the following items:

- 1. Application number (checked for accuracy, including series code and serial no.).
- 2. Group art unit number (copied from most recent Office communication).
- 3. Filing date.
- 4. Name of the examiner who prepared the most recent Office action.
- 5. Title of invention.
- Confirmation number (See MPEP § 503).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claims 1-7 are rejected under 35 U.S.C. 102(e) as being anticipated by Hayashi et al (6,069,884).

Consider claims 1-7 as claimed. Hayashi discloses a base station comprising: a plurality of transmitting antennas for transmitting a plurality of reference signals and data signal version (0220,0221);) the transmitted reference signals are not delayed with respect to each other and the data signal version are not transmission channel compensation processed; a plurality of reference signal generator, each reference signal generator generating a code uniquely

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associated with its operatively coupled to antenna (0211,0212); a data signal generator for producing a data signal (0201,0202,); and a plurality of mixer for producing the plurality of the data signal version, each version having a different code for the respective transmitting antenna(0204,0205). The base station further comprising at least one additional data signal generator and mixer for producing at least one additional data signal (0203,0206) as claimed in claim 6. The base station transmission is in time division duplex format as claimed in claim 4 and 7. (See fig.2 and col.11, lines 21-65 and abstract.

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Allowable Subject Matter

4. Claims 17-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments with respect to claims 1-7 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Huang (6,870,825) is cited to show diversity transmission using pilot signal.
- 7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Temesghen Ghebretinsae whose telephone number is

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571-272-3017. The examiner can normally be reached on Monday-Friday from 8 to 6.

The examiner can also be reached on alternate.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jay Patel, can be reached on 571-272-2688. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Temesghen Ghebretinsae Primary Examiner

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T.G.

3/25/05.

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